
Intermot Hydraulic Motors

IAM+ Series

H3 Models

IAM+ 400 – 500 – 600 – 700 H3
IAM+ 800 H3

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IAM+ H3

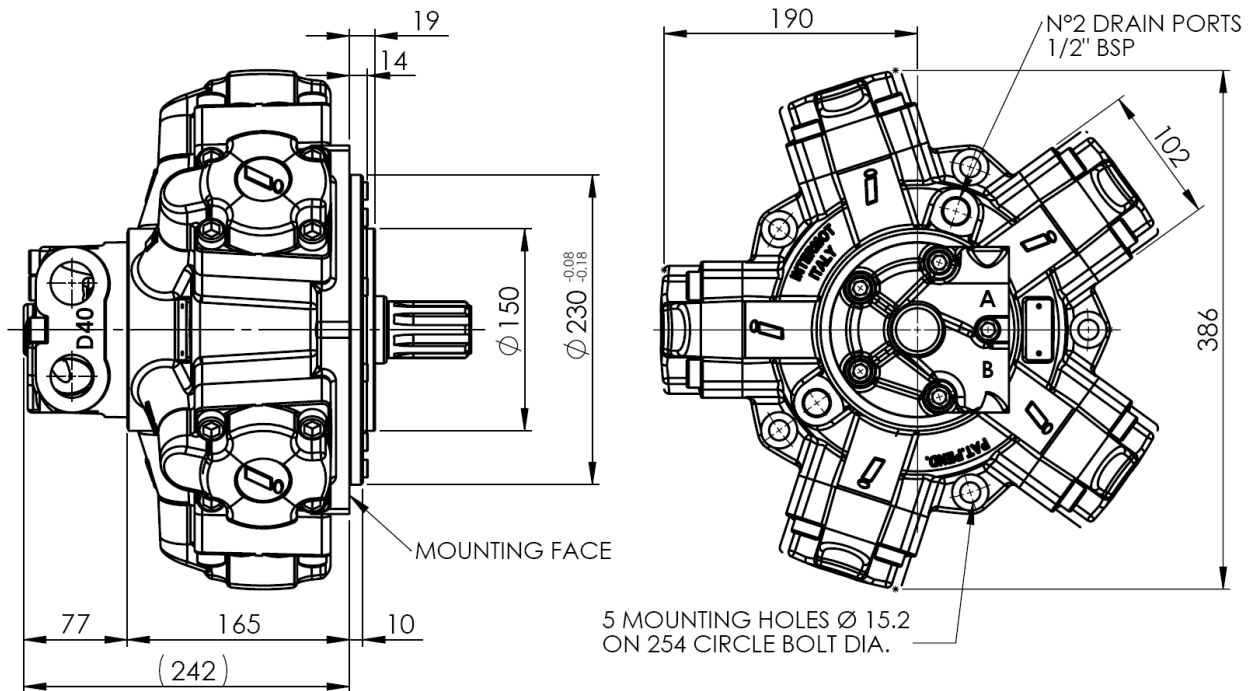
Technical data

MODEL		N° of pistons	Displacement	Specific Torque	Pressure			Speed		Max Power		Dry Mass	Max case pressure	Max back pressure	Temperature range	Minimum speed	Inertia moment of rotating parts
					Max Cont.	Max Int.	Peak	Max Cont.	Peak								
			cm ³ /rev	Nm/bar	bar			rpm		hp	kW	kg	bar	bar	°C	rpm	kg cm ²
IAM+ H3	400	5	404	6.4	300	350	400	600	680	110	82	68	6	70	-30 ÷ +70	1	214
	500		491	7.8	300	350	400	600	680	110	82						
	600		616	9.8	300	350	400	550	630	110	82						
	700		707	11.3	300	350	400	450	500	110	82						
	800		779	12.4	300	350	400	400	450	110	82						

IAM+ H3

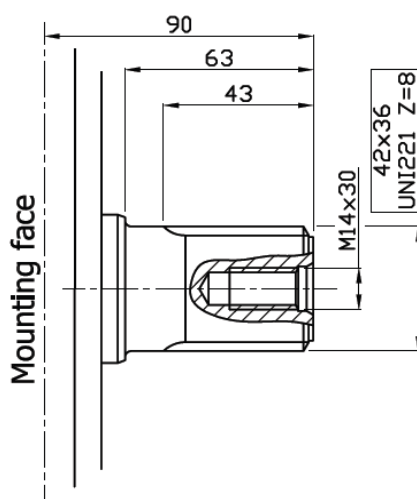
Dimensional drawings

IAM+ 400 – 500 – 600 – 700 H3

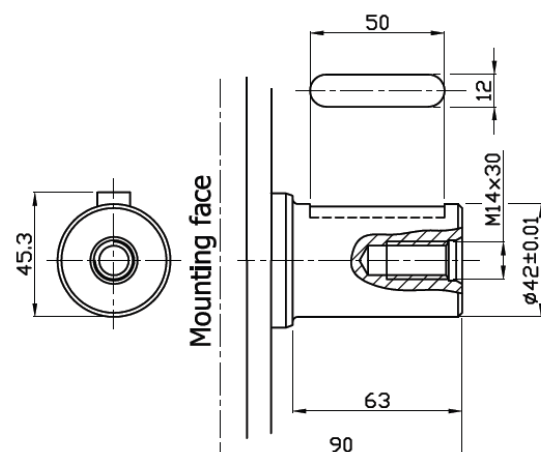


SHAFTS

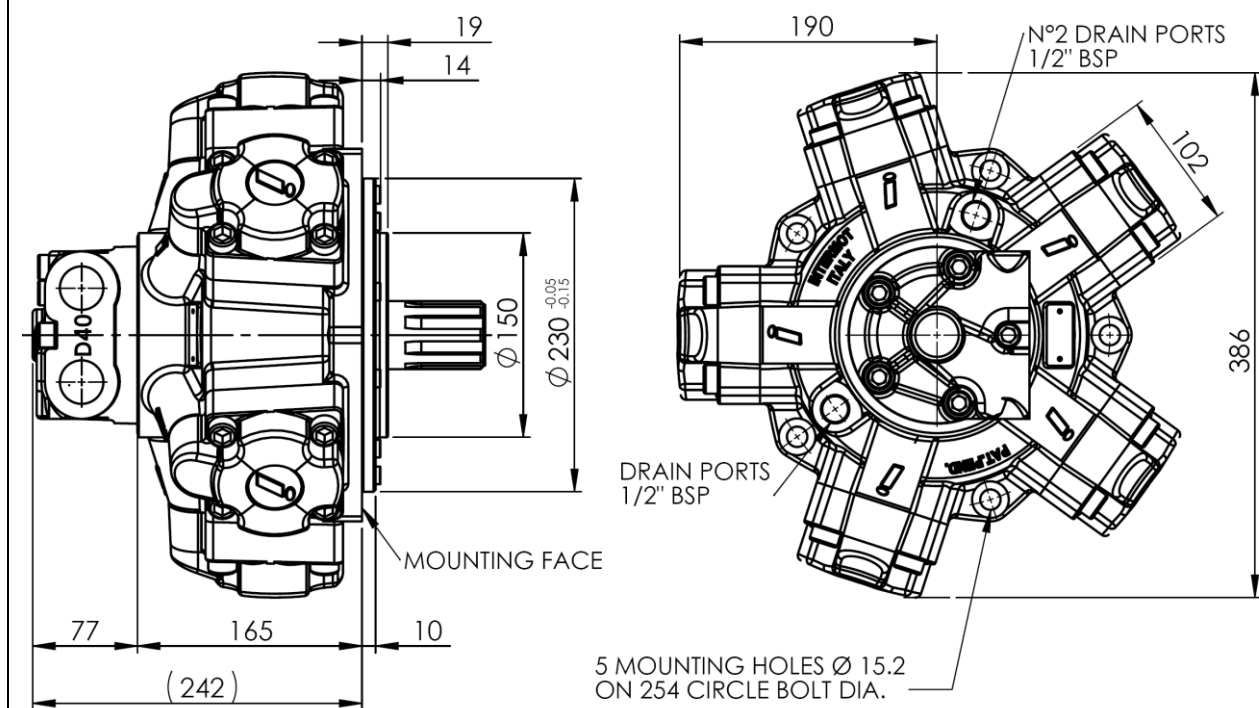
A0: Standard splined shaft



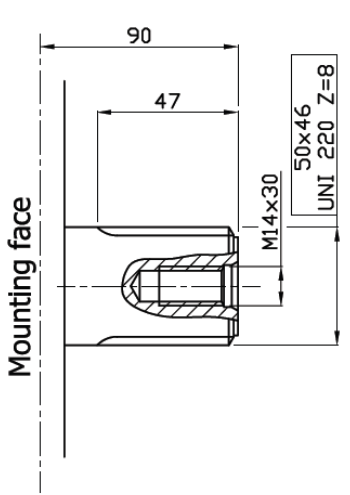
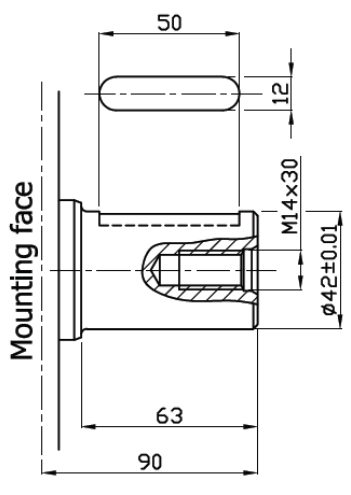
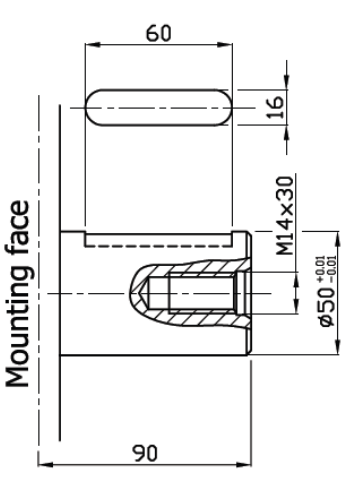
A2: Parallel shaft on request



IAM+ 800 H3

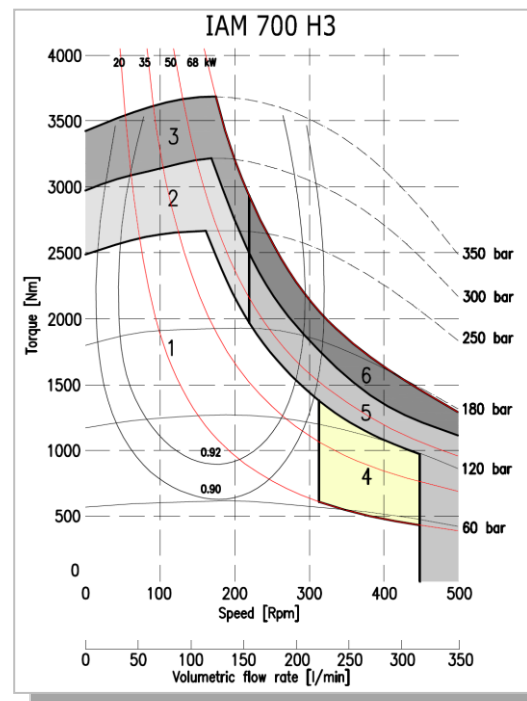
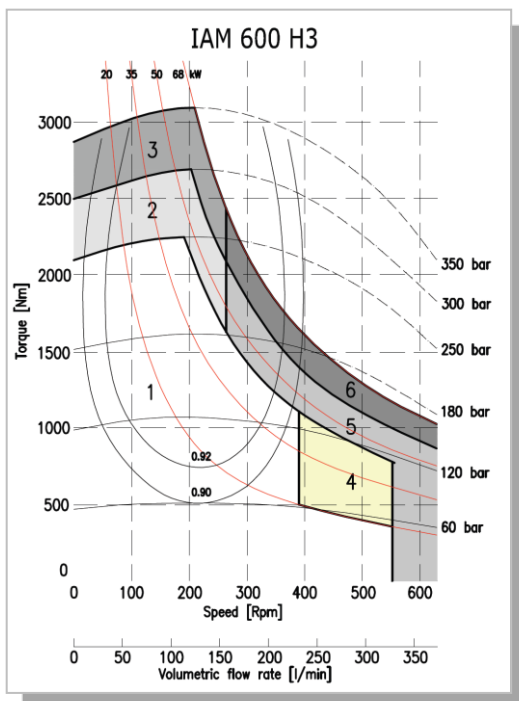
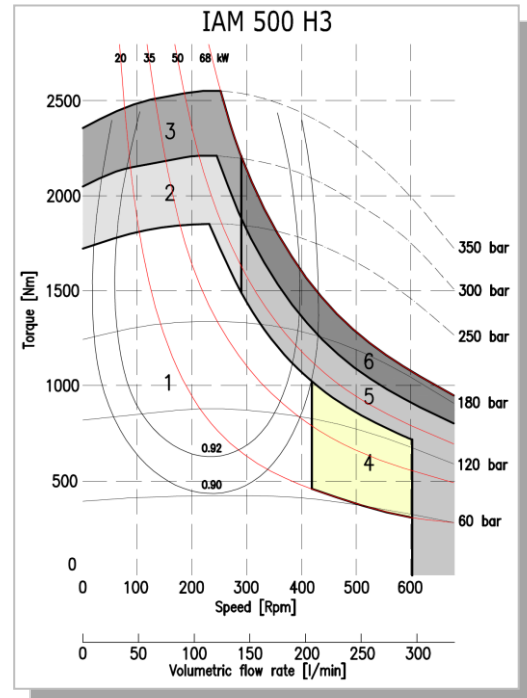
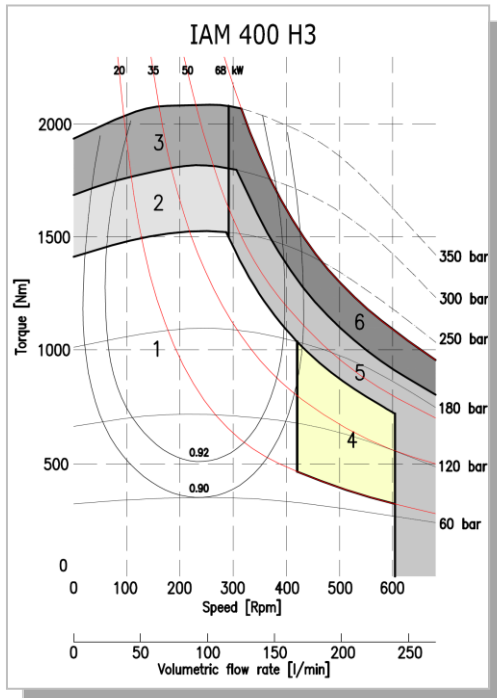


SHAFTS

A0: Standard splined shaft	A2: Parallel shaft on request	A22: Parallel shaft on request
 90 47 50x46 UNI 220 Z=8 M14x30 Mounting face	 50 12 M14x30 Ø42±0.01 63 90 Mounting face	 60 16 M14x30 Ø50±0.01 90 Mounting face

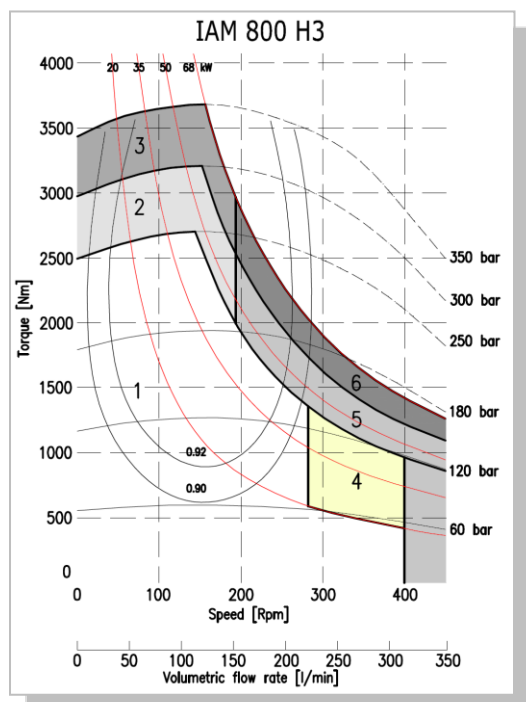
IAM+ H3

Power charts



IAM+ H3

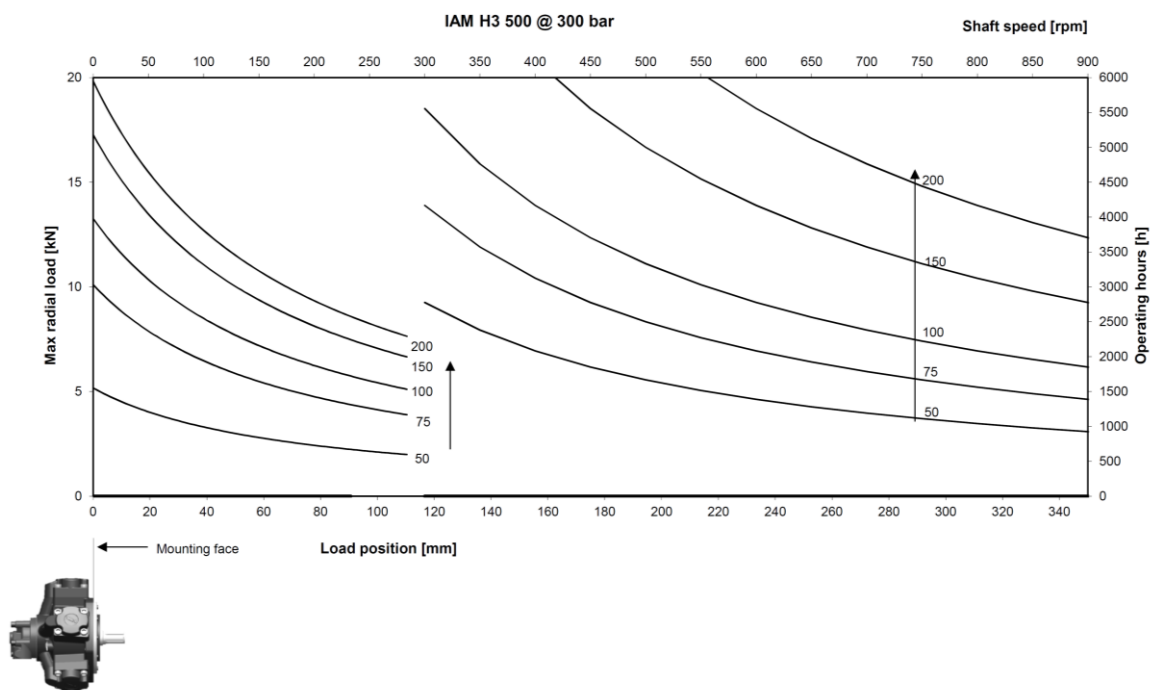
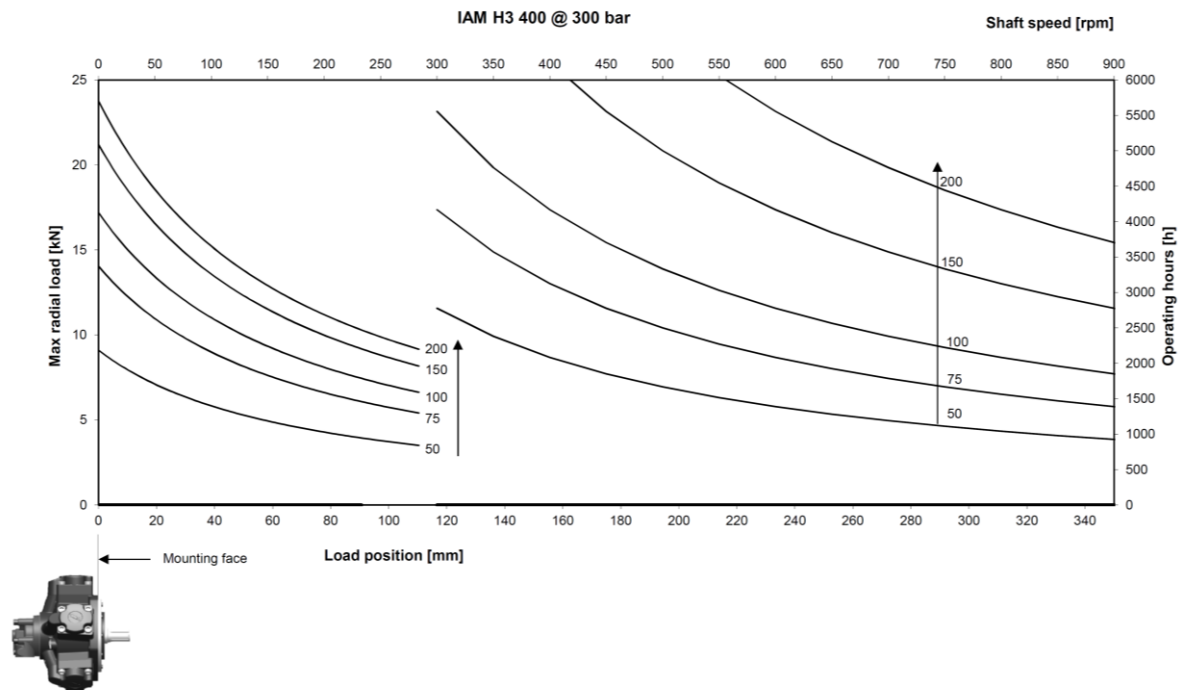
Power charts



1	Continuous operation
2	Intermittent operation for period 3-5 minutes every 10-15 minutes
3	Intermittent operation for very short period (3-5 seconds every 10-15 minutes)
4	Continuous operation with flushing
5	Intermittent operation for period 3-5 minutes every 10-15 minutes with flushing
6	Intermittent operation for very short period (3-5 seconds every 10-15 minutes) with flushing

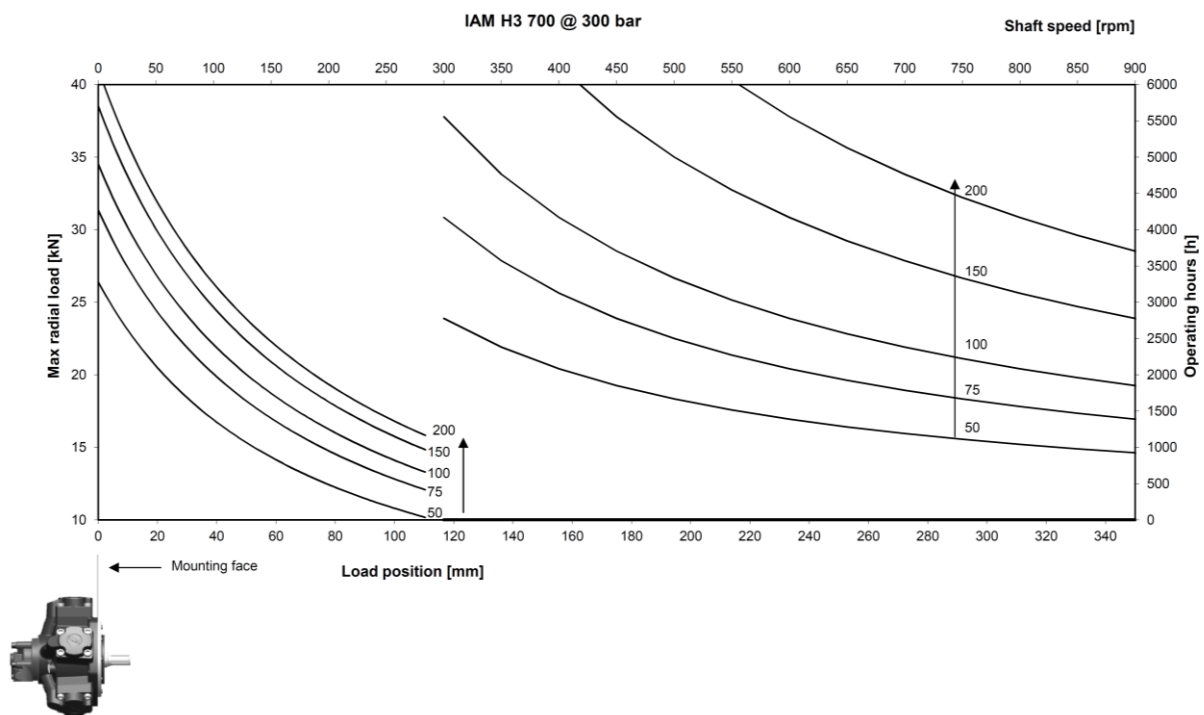
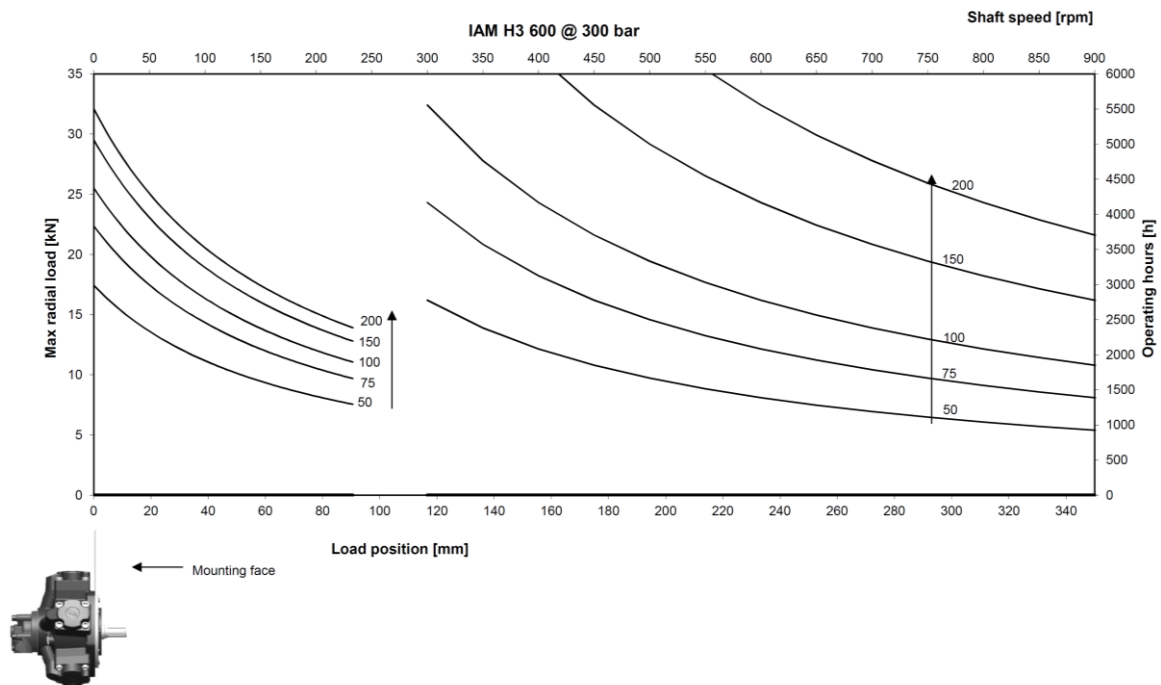
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Side load charts



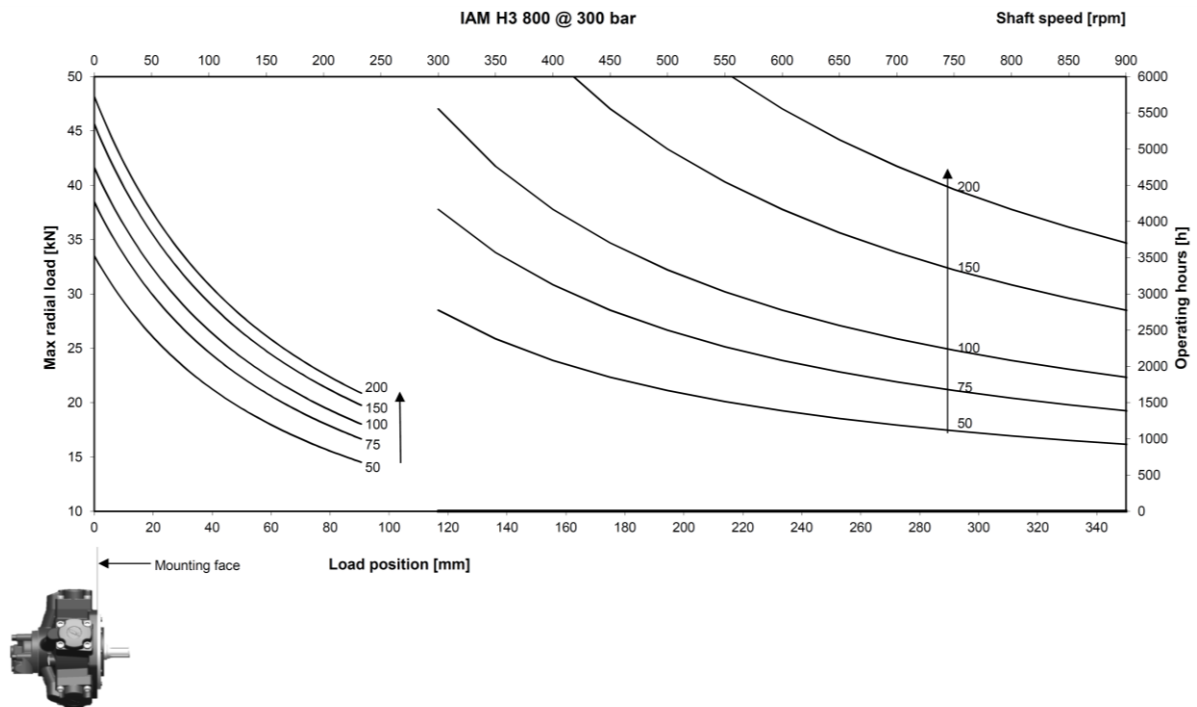
IAM+ H3

Side load charts



IAM+ H3

Side load charts



IAM+ H3

Ordering instructions

IAM+	---	H3	A _	D _ _	--	SB _ _
Model						
Displacement						
400 cc/rev						
500 cc/rev						
600 cc/rev						
700 cc/rev						
800 cc/rev						
Housing						
Shaft						
A0 – Standard splined shaft						
A2 – Parallel keyed shaft						
A22 – Parallel keyed shaft						
Distributor						
D31 – ¾" BSP						
D310 – 1" BSP						
D40 – 1" BSP						
D47 – SAE 1" 3000 psi flange						
Tachometer						
K						
TA						
TB						
EST						
Spline billet						
SB3 – 36 UNI 221						
SB4 – 46 UNI 220						

EXAMPLE : IAM+ 600 H3 A0 D40

IAM+ 700 H3 A0 D40 TA SB3